Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Providing Chainlink fencing to Park Opposite BWSSB office in Attur ward no. 03.

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						Estimate Cost Rs.			10.00 Lakhs
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, (Page No 5., I.No.2.3 of KPWD S.R 2016-17).								
	Debris	5	10.00	2.00	0.30	30.00			
	Desilt	1	16.00	0.60	0.60	5.76			
	For Gate	1	4.00	0.60	0.50	1.20			
	For Chainlink Fencing	1	60.00	0.85	0.80	40.80			
						77.76	**Cum**	**204.12**	**15872.37**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17								
	For Gate	1	4.00	0.60	0.15	0.36			
	For Chainlink Fencing	1	60.00	0.80	0.15	7.20			
	For benches	6	2.10	1.65	0.15	3.12			
						10.68	**Cum**	**5449.68**	**58194.41**
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I No-34.8.2,P No-254)								
	For Gate	1	4.00	0.60	0.45	1.08			
	For Chainlink Fencing	1	60.00	0.60	0.45	16.20			
		1	60.00	0.45	0.45	12.15			
		-30	0.45	0.45	0.45	-2.73			
						26.70	**Cum**	**4521.96**	**120719.37**
4	KSRB 4-1 .6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. (BCSR 2016-2017, Page 12, Item No								
	For Chainlink Fencing								
		1	60.00	0.45	0.10	2.70			
		30	0.45	0.45	0.45	2.73			
	For Gate	1	4.00	0.60	0.10	0.24			

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						5.67	Cum	5876.28	33340.54
5	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.3)								
	For Chainlink Fencing								
		1	60.00	1.50		90.00			
						90.00	Sqm	711.72	64054.80
6	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)								
	For Chainlink Fencing								
		1	30.00	1.90		57.00			
						57.00	m	884.52	50417.64
7	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (BCSR 2016-2017, Page 262, Item No 37.4)								
	For Chainlink Fencing								
		2	60.00			120.00			
						120.00	m	349.92	41,990.40
8	MANUFACTURING:-PROVIDING AND FIXING A GAZEBO of Size 22 feet dia approximate) made of MS Round pipe of 6 inches diameter of 12 SWG for pillars 10feet in height,in which 8ft will be above the ground level and 2 feet embedded in cement concrete and provided with MS plate on top of the pillars.MS I section 100x50mm of heavy gauge for Rafters)is placed between the poles on top of the flush plate.Also MS rectangular tubes of 100x40mm are to be mounted vertically on all 8pillars.MS rectangular tubes of 40x20mm reepers are welded horizontally in between the rectangle tubes for a distance of 1 feet approximately so as to get the desired octangol Shape for fixing approved qualoity Corrugated Managlore tiles on the roof 2 layers as per the design. Flat design tiles and rigid tiles are to be provided on Existing reepers and pointed with cement mortar.The Gazebo is to be fixed ob asuitable platform the central height being 15 to 16 feet and including allround bed Concrete 1:4:8 and tampered with fine red earth with cement slurry.the works includes earthwork excavation concreteing,masonry work and cost of all materials labour equipments machinery with all lead and lift loading and unloading etc complete including two coats of approved quality special spray paint over of primer and excecuting the work as per the directions of the engineer in charge. (Data rate)								
		1				1.00			
						1.00	Unit	387925.00	387925.00

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
roviding precast slab of 100 mm thick including cost of all materials, labour, curing, ansportation, loading , unloading, etc.,complete as per the direction of engineer in charge-Data rate)								
rain cover	1	12.00	1.50		18.00			
					18.00	**Sqm**	**2100.00**	**37,800.00**
roviding and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. ollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm nd 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 0mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at lternate vertical members asshown in the drawing etc., complete. All the steel surface should be horoughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. he work includes cost of all materials, labour charges for all items of work, hire charges for velding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and nloading charges, etc., complete as per specifiocation.(BCSR 2016-2017, Page 422, Item No 7.37)								
Drain cover	1	4.00	2.50		10.00			
					10.00	**Sqm**	**3168.72**	**31,687.20**
Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification (BCSR 2016-2017, Page 109, Item No 14.62)								
For benches	7	2.10	1.65		24.26			
					24.26	**Sqm**	**1171.80**	**28422.01**
Providing and fixing Joint bench of Granite made out of Sadarahalli Grey Stone legs with back supporting with 4line finishing. all accessories and with all lead and lift, loading and unloading etc., complete and as per approved design and directions of the Engineer-in-charge (Market price)								
For benches	7				7.00			
					7.00	**Unit**	**16000.00**	**112000.00**
Loading and unloading of stone boulders/stone aggregates/sand/kankar/Moorum including all lead and lift and as per specification and direction of the Engineer in charge of the work.(P.No-								
Qty frm Item No-1					77.76			
					77.76	**Cum**	**68.00**	**5,287.68**
Cost of haulage Excluding loading and unloading including all lead and lift and as per specification and direction of the Engineer in charge of the work., 10 Km lead								
Qty frm Item No-1					77.76			
					77.76	**Cum**	**32.00**	**2,488.32**
							Total Construction Cost	**990199.75**
							DPR & PMC Charges	**9,800.00**
							Sub Total	**999999.75**

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								0.25
Utility Shifting, Miscellaneous, Rounding off								1000000.00
GRAND TOTAL								

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e work spot was inspected and works is found to be necessary.
e area comes within the Bruhat Bangalore Mahanagara Palike limits.
rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates.

SILICON CONSULTING ENGINEERS

Assistant Engineer

Asst. Executive Engineer

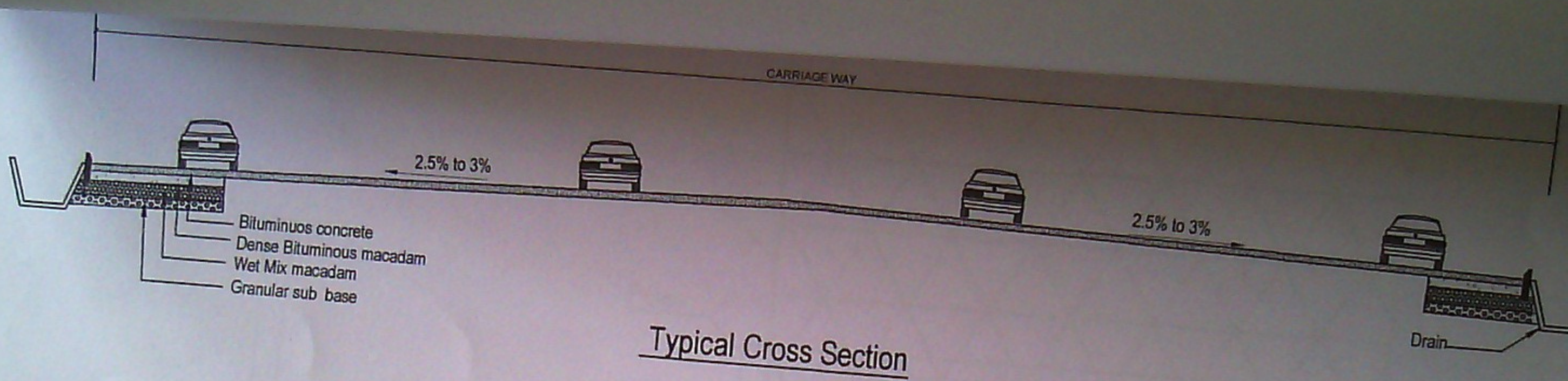
Executive Engineer,
Yelahanka Division,
BBMP Bangalore

Administrative Sanction for Rs. 10.00 lakh
Ten Lakhs only
—
Is accordable to head P-3158-
2016-17
—
Register... No. ... Subject
to cond... issued in enclosed memo
No EE/YNK/AA/21/17-18 29.8.17

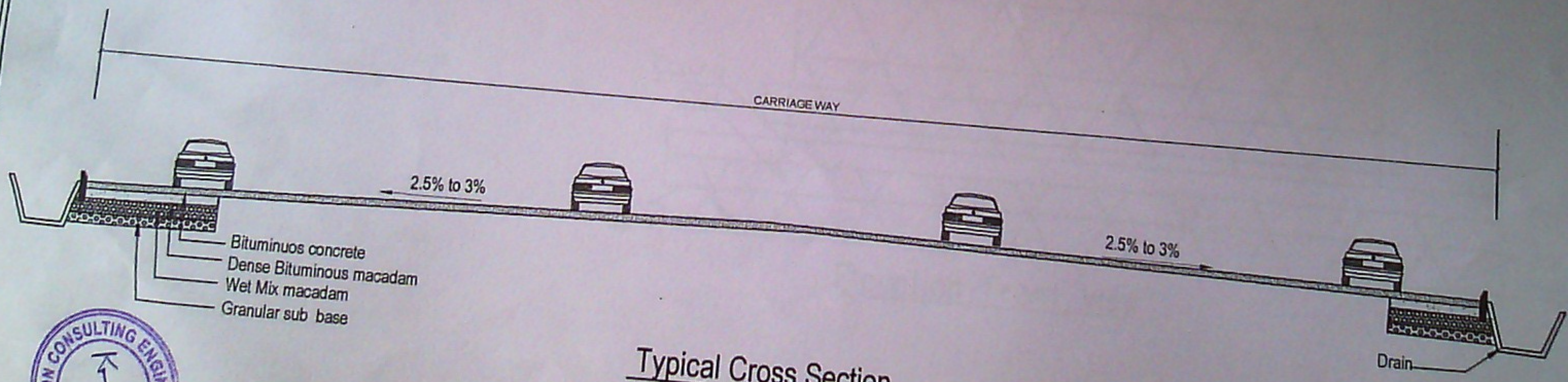
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00
Rupees Ten Lakhs only
—
Under P-3158-
Registered as CE ... 9
Subject to c... contained
enclosed memo ...
Dt. EE/YNK/TS/20/17-18 29.8
Dated ... Rs. ...

Executive Engi



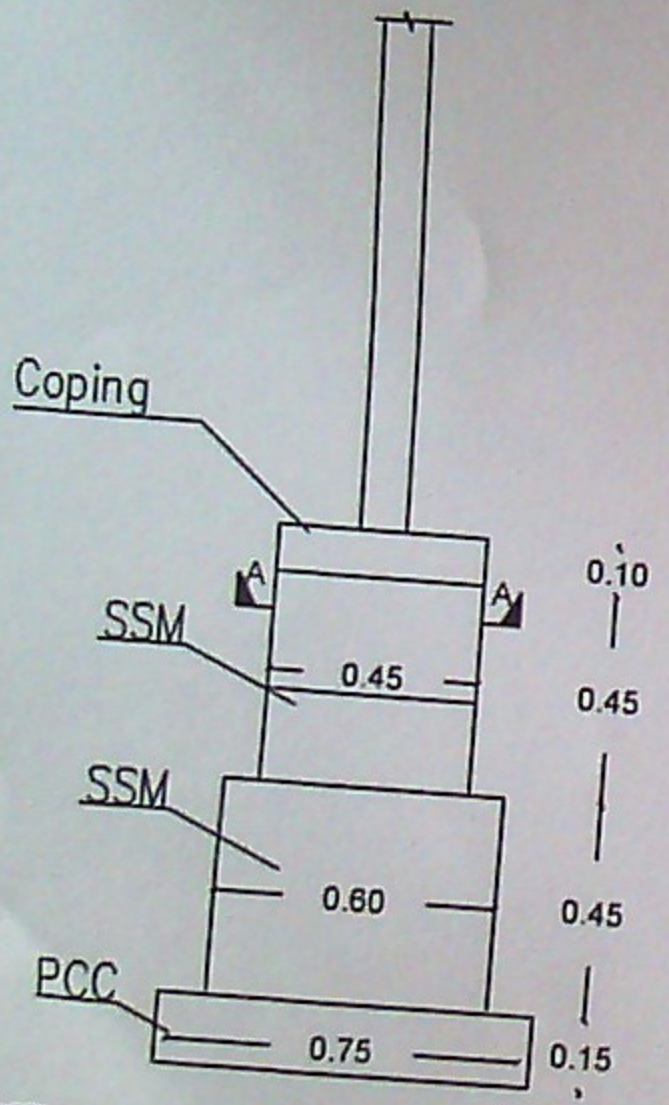
Typical Cross Section



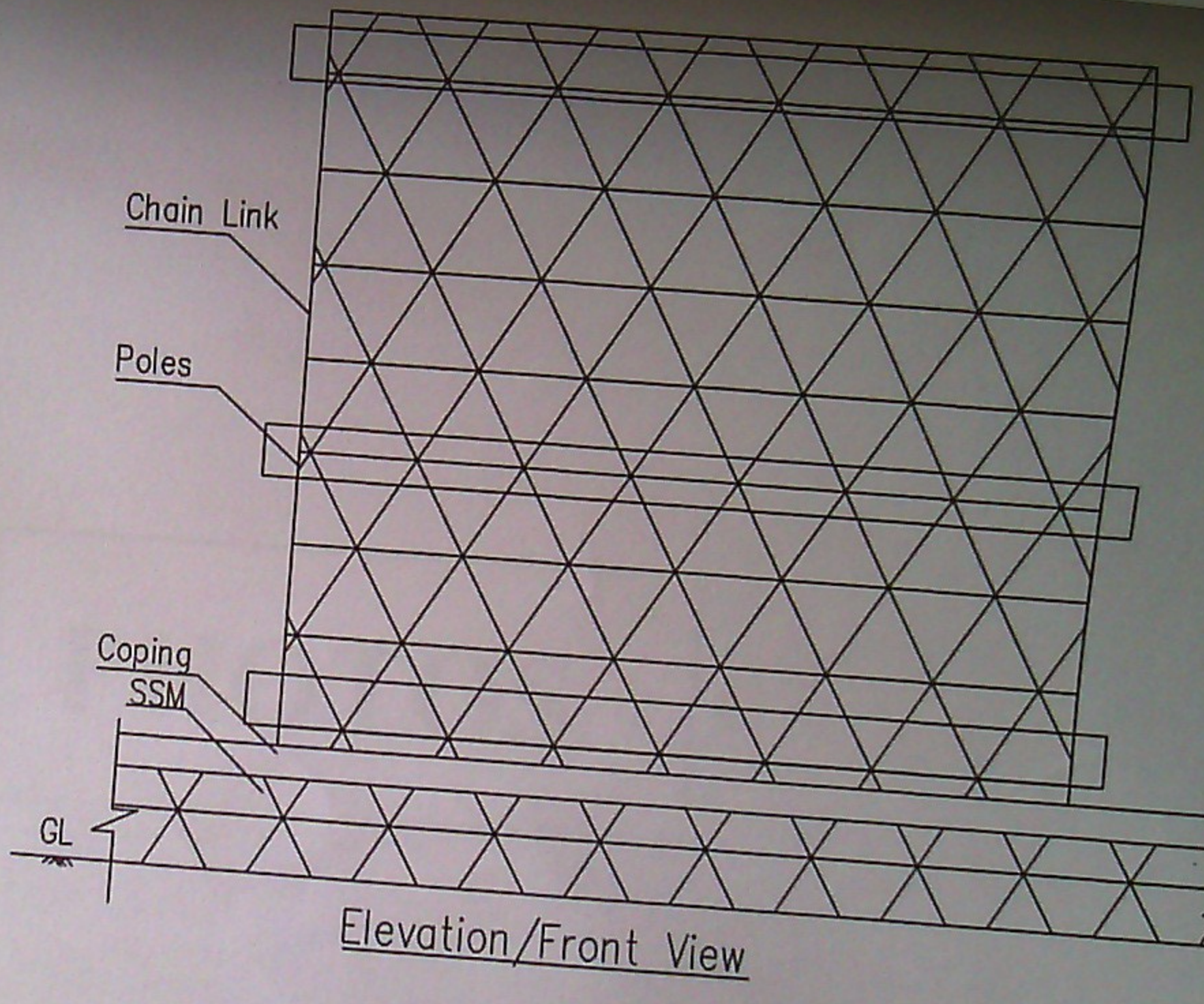
Typical Cross Section

SILICON CONSULTING ENGINEERS

AE-01



Section



Elevation/Front View

SILICON CONSULTING ENGINEERS

AE-07

ıme of Work: Improvement and asphalting to 3rd, 4th and 5th main roads of Attur Layout in Attur wardno. 03.

SILICON CONSULTING ENGINEERS

A2-03

ame of Work: Improvement and asphalting to 2nd main road of Muneshwara Layout in Attur ward no. 03.

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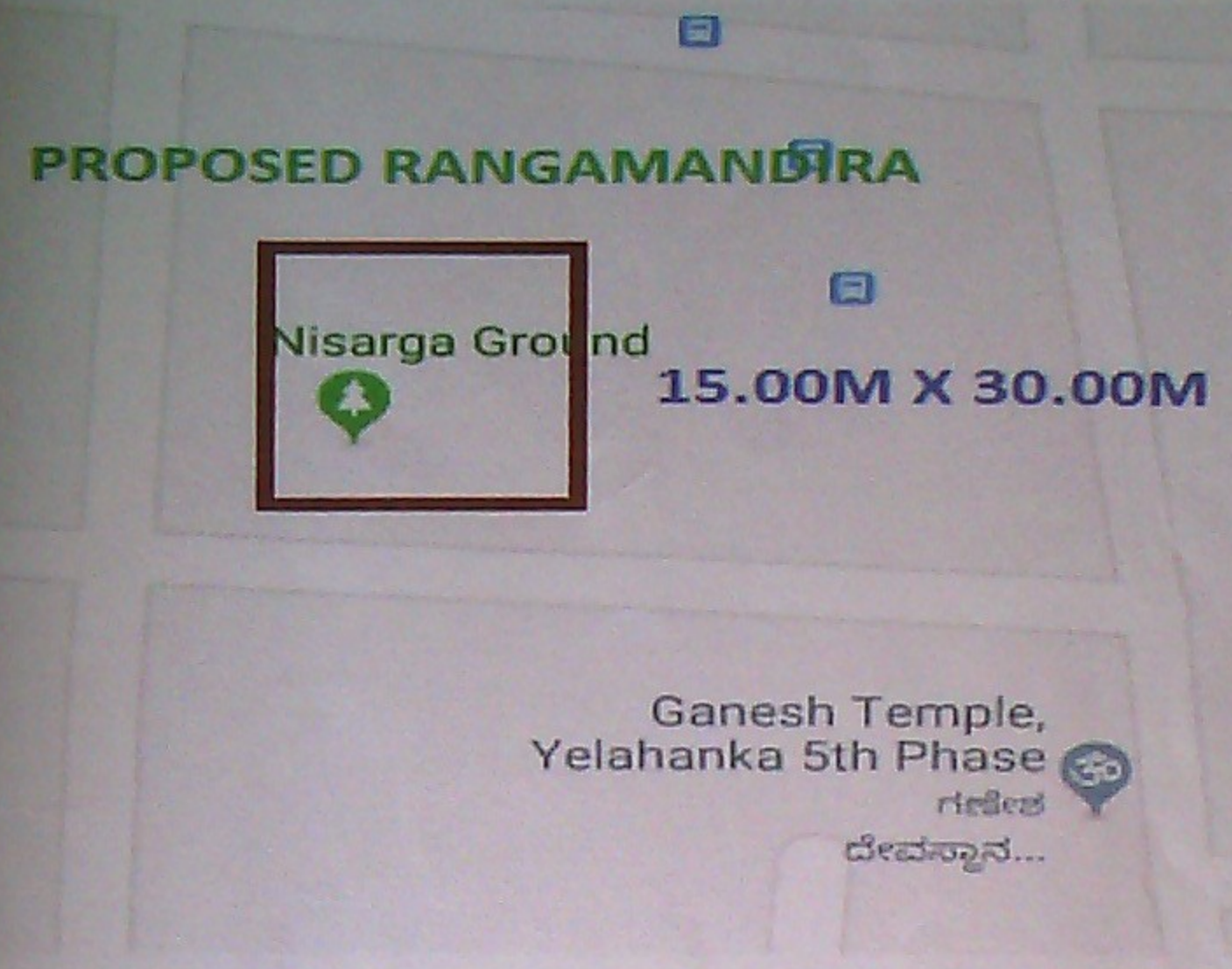
me of Work: Improvement and asphalting to 10th and 11th cross roads of Muneshwara layout in Attur wardno. 03.

AE-01

me of Work: Construction of Rangamandira at 5th Phase play ground and repair works in Vivekananda park in Attur ward no. 03.



Name of Work: Improvements to park near Dairy Circle in Attur ward no. 03.

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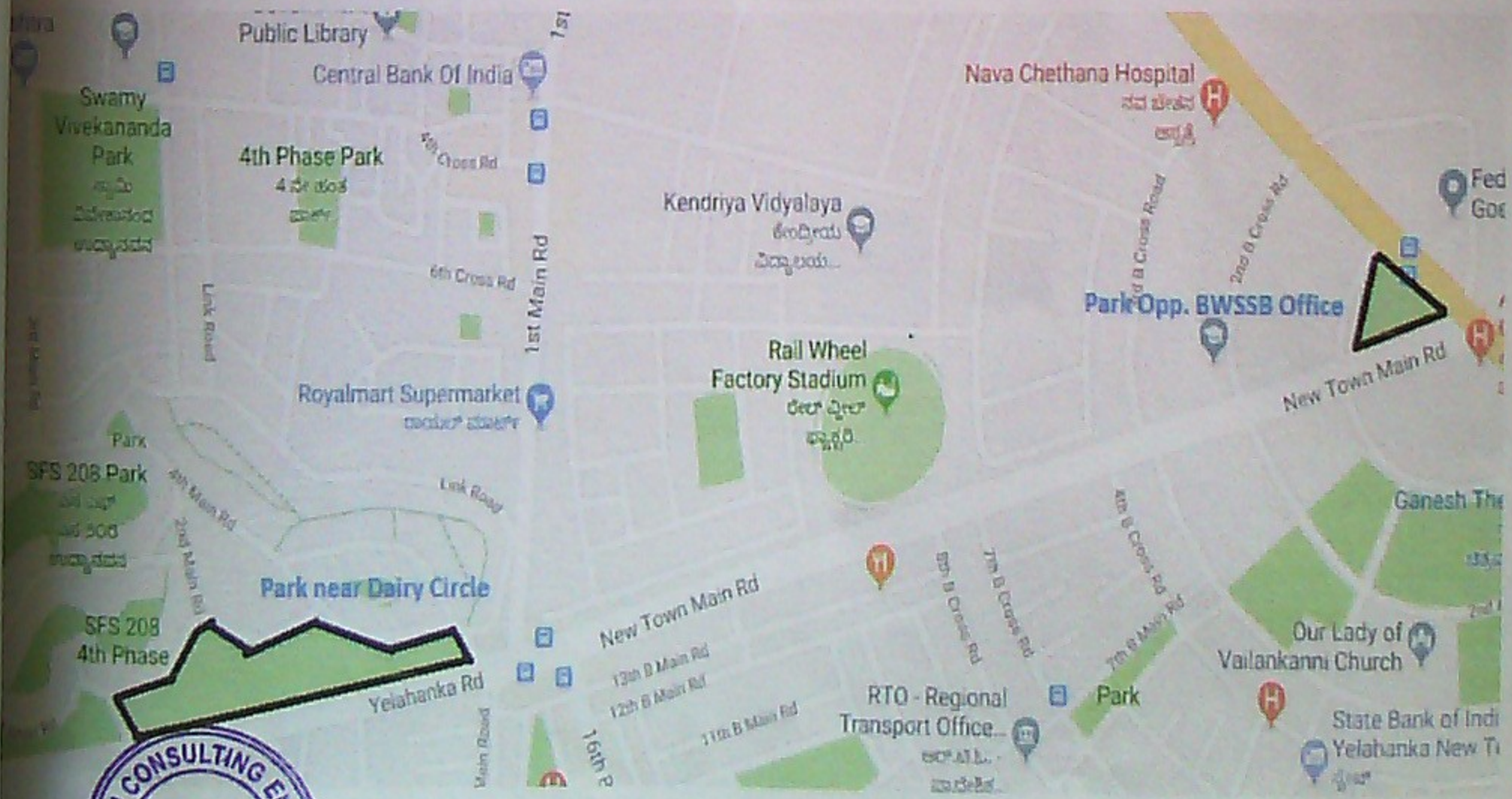
Name of Work: Providing Chainlink fencing to Park Opposite BWSSB office in Attur ward no. 03.



SILICON CONSULTING ENGINEERS

AE-03